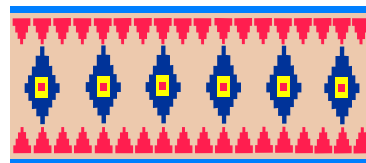
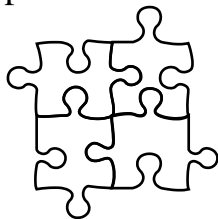
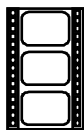
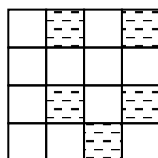
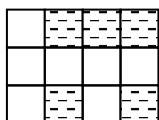
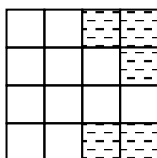
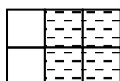


Fractions

1. What fraction is each piece?



2. Each shape has a number of equal parts.
Copy and complete the table for each shape.



Fraction	Fraction
Shaded	Unshaded

3. Find half of each (a) £16 (b) 18 kg (c) 26m (d) 22 mints (e) 46 pence

4. Calculate $\frac{1}{3}$ of each: (a) 9 miles (b) 12 cm (c) 15 km (d) 21 mm (e) 36kg

5. Calculate $\frac{1}{4}$ of each: (a) 8km (b) 12m (c) 20mm (d) 32cm (e) 28 litres

6. A carton of orange juice holds 560 millilitres and the twins are to have quarter each.
How much will each receive?

7. The bill in the café came to £6.72. Jill, Amy and Martin split it between them.
How much did each pay?



8. Half of pupils in first year own a computer. 110 pupils own a computer.
How many pupils are there in first year?

9. Calculate (a) $\frac{1}{6}$ of 18km (b) $\frac{1}{7}$ of 21m (c) $\frac{1}{8}$ of 24mm (d) $\frac{1}{9}$ of 36cm

10. There are 240 pupils in first year. Calculate the number in each category

- (a) $\frac{1}{2}$ are boys (b) $\frac{1}{5}$ have brown eyes (c) $\frac{1}{4}$ travel by bus (d) $\frac{1}{8}$ have a computer.

11. In the special Halloween Bumper Pack there are 72 lollipops.

$\frac{1}{6}$ are orange, $\frac{1}{4}$ are lemon, $\frac{1}{3}$ are raspberry and the rest are blackcurrant.

How many lollipops are: (a) orange (b) lemon (c) raspberry (d) blackcurrant?

12. Copy and complete: (a) $\frac{1}{2} = \frac{\quad}{4}$ (b) $\frac{1}{7} = \frac{\quad}{21}$ (c) $\frac{1}{5} = \frac{3}{\quad}$ (d) $\frac{1}{8} = \frac{5}{\quad}$ (e) $\frac{2}{3} = \frac{\quad}{12}$

(f) $\frac{3}{4} = \frac{\quad}{12}$ (g) $\frac{5}{6} = \frac{\quad}{30}$ (h) $\frac{3}{8} = \frac{\quad}{72}$ (i) $\frac{4}{5} = \frac{16}{\quad}$ (j) $\frac{2}{7} = \frac{12}{\quad}$

13. Simplify these fractions : (a) $\frac{4}{8}$ (b) $\frac{3}{18}$ (c) $\frac{5}{20}$ (d) $\frac{15}{50}$ (e) $\frac{21}{28}$ (f) $\frac{22}{25}$ (g) $\frac{72}{81}$

14. Calculate: (a) $\frac{3}{5}$ of 25 (b) $\frac{2}{7}$ of 42 (c) $\frac{3}{10}$ of 270 (d) $\frac{3}{8}$ of £24 (e) $\frac{5}{9}$ of 54g

15. A bag contains 720 coloured beads. $\frac{3}{8}$ are red, $\frac{1}{6}$ are blue, $\frac{3}{10}$ are yellow and the rest are white. Calculate how many of each colour there are

16. Calculate (a) $\frac{1}{2} \times 8$ (b) $12 \times \frac{1}{3}$ (c) $\frac{1}{7} \times 5$ (d) $4 \times \frac{1}{4}$ (e) $3 \times \frac{1}{2}$ (f) $\frac{1}{5} \times 7$

17. Calculate (a) $5 \times \frac{2}{5}$ (b) $\frac{3}{4} \times 12$ (c) $\frac{3}{11} \times 2$ (d) $\frac{7}{8} \times 5$ (e) $5 \times \frac{2}{7}$ (f) $7 \times \frac{5}{6}$

18. (a) A bottle holds $\frac{9}{10}$ of a litre. How many litres are in 7 bottles?

(b) A packet weighs $\frac{3}{5}$ of a kilogram. How much do 6 packets weigh?

(c) Peter walks for $\frac{2}{3}$ of an hour each day. How long is this each week?

